

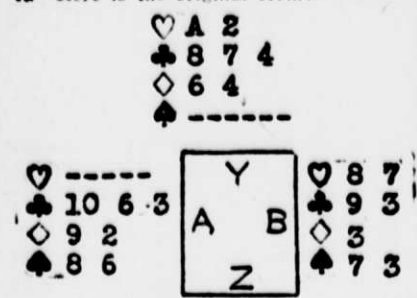
PROBLEMS FOR "SUN" READERS TO SOLVE

Prof. Wertenbaker's Corkscrew
Twists Puzzling to the
Bridge Players.

CHIPS FOR THE CAPTAIN

Hard End Games for the Check-
er Experts—Magic Square
of Prime Numbers.

Those who succeeded in solving Prof. Wertenbaker's latest bridge problem seem pretty well agreed that it was fully up to his usual standard of excellence and it kept them busy following its various corkscrew twists, as one correspondent puts it. Here is the original form:



There are no trumps and Z is in the lead. Can Y and Z get more than five tricks against the best defense? If not, what is the line of defense that stops them?

The solution is for Z to lead the seven of diamonds. (The five will not do.) The best defense for A is to duck the trick. Z then leads the ace and deuce of clubs and A has the choice of two lines of defense, winning the trick himself or letting it go to B.

If A wins with the ten and leads the diamond, B has to discard. If A follows with the six of clubs, Y makes the eight and Z makes the nine of hearts and nine of spades. If A leads the spade instead of the club, Z makes the nine and Y makes the ace of hearts and eight of clubs.

If A lets the second round of clubs go to B's hand, B has two leads. If he tries the heart, A must discard and if A lets go a diamond, that establishes a trick for Y and Z. If he lets go a spade, Y lets Z hold the heart trick and Z leads the spade nine and then the deuce, putting B in and so securing a heart trick for Y. If A discards the ten of clubs, Y wins the heart with the ace and makes his eight of clubs, forcing A to discard a spade. Y puts A in with a diamond and Z makes the nine of spades.

If A lets B win the second club and B leads a spade Z wins the trick, Y discarding a diamond. Now Z leads the nine of hearts and A has to solve the problem, because if he discards a diamond the heart nine holds and the five of diamonds is good. If A lets go a club Y overtakes the heart and makes the club eight, and A discards a spade the heart nine holds the trick and Z puts B in with a spade, so that the heart ace makes.

The only variation in the first trick is for A to win it. If A wins the first trick, upon which Y must play the four. Now if A leads either of the black suits Y's diamond six is a reentry card, so that A is forced to lead the diamond at once to take it out and prevent the heart nine and heart ace making separately. B discards a spade.

Y leads the top club. If B covers Z wins with the ace and leads the deuce. A makes the ten, but Y and Z make the three other tricks. If B ducks the club lead from Y, then Z will play low and A wins with the heart, Y and Z getting the rest of the tricks.

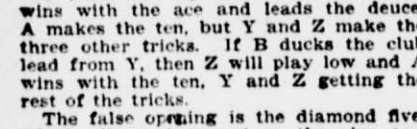
The false opening is the diamond five, which allows A to put on the nine and lead the deuce, forcing Z into the lead. Even after the correct opening with the diamond seven, if Z leads a low club instead of the ace first B wins with the nine and leads a heart, upon which A can afford to discard a club, keeping his hand protected.

The following are the only ones that gave the correct analysis of the four principal lines of defense: A. playing high or low and B leading heart or spade.

James Hunter, Frank H. Young, Jay Reed, Walker McMartin, O. H. Boston, E. M. Frost, A. L. Strasburger, D. Perry, H. H. Anderson, Burton D. Blair, William C. Eaton, H. K. Thaw, B. Arnold, James Steen, B. G. Braine, D. A. W. J. W. Miller, H. E. W. Charles H. Le Mon, W. P. W. Kennedy, Charles M. Root.

Several of these express their thankfulness that the professor came across on a fast steamer and had no time to make it any worse than he was not sick a minute.

In problem No. 156, by Harry Asher, dummy won the bet as the cards were laid out, because there are two different ways in which he can get six tricks. Here is the distribution as he laid it out:



There are no trumps and Z is in the lead. Can Y and Z win six tricks. One solution is for Z to lead a small club, Y returning the spade jack, upon which Z and A both discard hearts. Y then leads a diamond and whether A wins this trick or not, he can make it two diamond tricks.

Suppose A wins the diamond with the king and leads a heart, Z makes a trick in each of the red suits and puts A back with a diamond. If A wins the diamond and leads the four of diamonds, Z lets Y hold the trick with the six, and Y comes along with a heart, so that Z makes all his winning cards.

The other solution is to begin with the ten of diamonds. If A puts on the king and returns the diamond, Z must overtake his partner's six with the eight and lead a club, so that Z can lead the heart through B, letting Y make the club queen and put B in with a heart. If B will not put the queen of hearts on the ten, Y makes a spade jack and then puts Z in with the heart.

If A ducks the first diamond trick, Z leads a small club and Y comes through with the ten of hearts, the king wins the queen and Z leads the queen of clubs and a small heart, so that Y shall make the spade and the heart.

The only ones to get both solutions were D. Perry and Jay Reed.

Those that got the diamond opening were: W. P. W. Kennedy, Charles M. Root, H. Le Mon, Emma C. Davis, J. V. Collins, C. R. Lynn, James Hunter, J. C. Smellman, C. N. Fletcher, J. W. Zimmerman, H. J. Heller, C. C. Gaffney, K. W. Zimmerman, C. P. Johnson, Burton D. Blair, A. L. Strasburger, A. J. Schmutz, Walker McMartin, Frank H. Young and Paul Lippert.

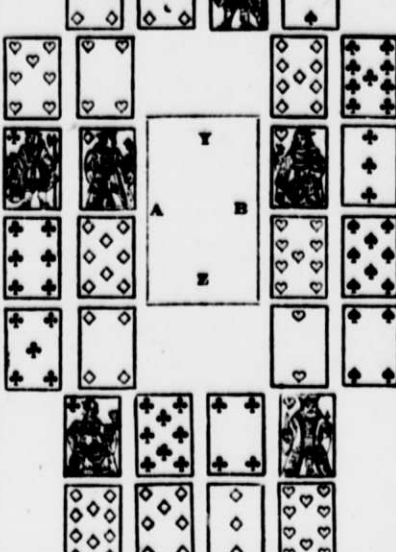
Those who got the club opening were: James Steen, D. A. W. J. Fraser, H. C. Root, M. E. Cameron, B. G. Braine, E. M. Frost, H. C. Kennedy, Charles M.

Root, H. K. Thaw, M. A. Hunt, P. R. Keen, J. Langdon, Henry Andresen, O. H. Boston and J. B.

When the doctor was shown the distribution of the cards on which Y won his bet, he insisted that they were not laid out correctly as regards the smaller and apparently unimportant cards, and that he would still back the dealer in his contention that there were only five tricks in the hand.

Here is the position as the doctor gave it from his notebook:

BRIDGE PROBLEM NO. 156.
By Harry Asher.



There are no trumps and Z is in the lead. Can Y and Z get more than five tricks against the best defense? If not, what is the line of defense that stops them?

CHECKER ENDINGS.
The position shown in problem No. 156 thinned out the ranks of the checker experts in a way that should make J. Ferguson feel quite proud of himself.

Several of them say they are not at all astonished that the checker sharp in Hickman failed to find the solution.

The distribution was: Black men on 1, 7, 12, 13, 14, 23, king on 24. White men on 5, 8, 22, 25, 29, 30, king on 4. White to play and win. Here are the moves that solve:

White.	Black.
22—18	14—17
8—3	7—11
3—8	11—16
25—21	17—22
29—25	22—29
30—25	29—15